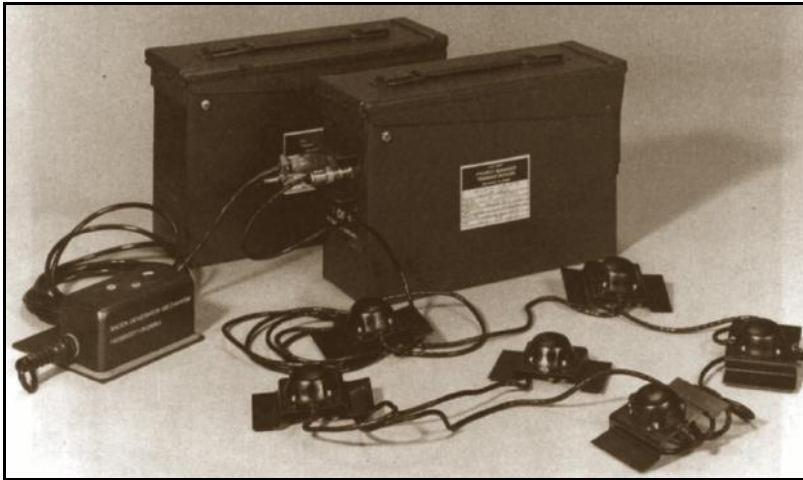


INDICATOR, SIMULATOR SYSTEM, LASER TARGET INTERFACE DEVICE (LTID)



Functional Description:

LTID is comprised of a Detection Assembly, an Electronic Assembly, and a Shock Generator Mechanism (SGM). The Detection Assembly simulates target vulnerability using six detectors fastened with Velcro to the target. The Electronic Assembly contains the detector amplifier, decoder, SGM activation electronics, and two standard 6-volt lantern batteries. The SGM activates the target lift mechanism when a "hit" is decoded. In operation, a MILES transmitter-equipped weapon engages an LTID-equipped target, the Detection Assembly receives the transmitter laser signal, converts it to electrical pulses, and routes them to the Electronic Assembly where they are amplified and decoded. If a "hit" is decoded, the SGM triggers the target lift mechanism to lower the target. DVC 17-146A has been assigned to LTIDs modified for use during APACHE MILES training.

Purpose of Trainer:

The Laser Target Interface Device (LTID) interfaces existing live-fire tank/man target mechanisms with standard MILES transmitters enabling the transmitters to knock down targets. LTID provides realistic and valuable marksmanship training without the high cost of ammunition and target repair/replacement encountered in live-fire training programs.

Physical Information:

Number of Pieces: Four
Electronics Assembly: 11" x 4" x 7"
Storage Case, containing: 11" x 4" x 7"
Detection Assembly: 8" x 4" x 2" (packaged)
SGM: 6" x 6" x 3" (packaged)
Total Weight: 9 lb

Equipment Required, Not Supplied:

Batteries, 6-volt, BA-200/U
Velcro, 11749428

DVC 23-91, 23-91/A
NSN 1265-01-221-9438

Equipment Required, Not Supplied:

Primer, 11749034
Roller, Hand, 6523520
Controller Gun, 11748811
Target Holding Mechanisms
MILES Transmitters

Special Installation Requirements:

None

Power Requirements:

Two standard 6-volt lantern batteries

Training Category/Level Utilized:

Armor/Level 3

Training Requirements Supported:

Information not available

Applicable Publications:

TM 9-1265-376-10, - Operator's Manual for Indicator Simulator System, Laser Target Interface Device (LTID)

Reference Publications:

None

Source and Method of Obtaining:

Available through local TSC

Logistic Responsible Command, Service, or Agency:

ACALA